

**MAT-8026US****PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shinji Fukushima : Art Unit: 2834  
Serial No.: 09/701,226 : Examiner: P. Cuevas  
Filed: February 9, 2001 : Expedited Procedure  
For: BRUSHLESS MOTOR HAVING : 37 C.F.R. § 1.116  
ISOSCELES SIDED STATOR :  
COILS AND POSITION :  
DETECTION CAPABILITY :  
:

**AMENDMENT UNDER 37 C.F.R. § 1.116**

Assistant Commissioner for Patents

**Box AF**

Washington, DC 20231

SIR :

Responsive to the Final Official Action dated **June 13, 2002**, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please replace claim 1 with the following amended claim:

1. 1. (Three Times Amended) A brushless motor comprising:
  2. a rotor with a permanent magnet having P (P is an integer not less than two) polarities, the permanent magnet polarities having a polarity angle of  $360/P$  degrees;
  3. and
  4. a stator facing said rotor and having a plurality of coils,
  5. wherein any one of the coils has isosceles sides interlinking with a magnetic field generated by the polarities, extension lines of the isosceles sides extending along centers of winding-bundles of the coil, crossing each other at a shaft center
  6. and having a vertex angle of  $360/P$  degree, the vertex angle being equal to the
  7. polarity angle of  $360/P$  degrees based on the permanent magnet.